

FIG. 8A

[illegible]

FIG. 8B

400	F	K	K	C	S	I	A	G	V	T	Y	G	H	F	P	E	L	A	R	O	S	S	D	D	F	-	C	---	R	M	T	S	C	M	D	S	C	D	R	M	L	K	N	I	E	D	H	P	T	A	M	A	T	P	8	A	2						
421	F	K	K	C	T	I	A	G	V	A	Y	G	H	V	P	E	-	---	P	E	D	I	G	C	P	D	E	W	Q	N	S	O	F	D	E	K	T	E	S	H	S	L	L	E	M	L	Q	N	H	P	T	A	M	A	T	P	8	A	1				
400	F	K	K	C	S	I	A	G	V	T	Y	G	H	F	P	E	L	A	R	O	S	S	D	D	F	-	C	---	R	N	P	P	S	D	S	C	D	E	D	D	P	L	L	K	M	I	E	D	R	H	P	T	A	M	A	T	P	8	A	2			
455	P	C	H	O	E	F	L	L	A	V	C	H	T	V	P	E	R	D	G	D	E	I	I	Y	Q	A	S	S	P	D	E	A	A	L	V	K	G	A	K	L	G	V	F	T	G	R	T	P	D	S	V	I	I	E	A	M	A	T	P	8	A	2	
475	P	I	C	E	F	L	M	A	V	C	H	T	A	V	P	E	R	D	G	D	E	K	I	I	Y	Q	A	S	P	D	E	A	A	L	V	K	G	A	K	L	G	V	F	T	G	R	T	P	D	S	V	I	I	E	A	M	A	T	P	8	A	1	
455	P	C	H	O	E	F	L	L	A	V	C	H	T	V	P	E	R	D	G	D	E	N	I	I	Y	Q	A	S	S	P	D	E	A	A	L	V	K	G	A	K	L	G	V	F	T	G	R	T	P	D	S	V	I	I	E	A	M	A	T	P	8	A	2
515	M	G	Q	E	Q	T	F	G	I	N	V	L	E	F	S	D	R	K	N	S	V	I	V	A	L	S	Q	L	R	L	Y	C	K	G	A	D	N	V	I	F	E	R	L	K	D	S	K	Y	M	E	T	L	C	M	A	T	P	8	A	2			
535	L	G	Q	E	R	Y	E	L	N	V	L	E	F	S	D	R	K	N	S	V	I	V	A	L	S	Q	L	R	L	Y	C	K	G	A	D	N	V	I	F	E	R	L	K	D	S	K	Y	M	E	T	L	C	M	A	T	P	8	A	1				
515	M	G	Q	E	Q	T	F	G	I	N	V	L	E	F	S	D	R	K	N	S	V	I	V	A	L	S	Q	L	R	L	Y	C	K	G	A	D	N	V	I	F	E	R	L	K	D	S	K	Y	M	E	T	L	C	M	A	T	P	8	A	2			
575	H	L	E	Y	F	A	T	E	G	L	T	L	C	V	A	X	A	D	L	S	N	E	M	L	K	Y	Q	S	A	S	I	I	L	K	D	A	Q	R	L	E	S	V	E	I	E	K	N	L	L	L	M	A	T	P	8	A	2						
595	H	L	E	Y	F	A	T	E	G	L	T	L	C	V	A	X	A	D	L	S	N	E	M	L	K	Y	Q	S	A	S	I	I	L	K	D	A	Q	R	L	E	S	V	E	I	E	K	N	L	L	L	M	A	T	P	8	A	1						
575	H	L	E	Y	F	A	T	E	G	L	T	L	C	V	A	X	A	D	L	S	N	E	M	L	K	Y	Q	S	A	S	I	I	L	K	D	A	Q	R	L	E	S	V	E	I	E	K	N	L	L	L	M	A	T	P	8	A	2						
635	G	A	T	A	I	E	D	R	L	O	G	V	P	E	T	A	T	L	A	L	K	I	M	V	L	T	G	D	K	O	E	T	A	I	N	G	V	S	C	R	L	V	S	Q	N	M	A	L	L	L	K	E	D	M	A	T	P	8	A	2			
655	G	A	T	A	I	E	D	R	L	O	G	V	P	E	T	A	T	L	A	L	K	I	M	V	L	T	G	D	K	O	E	T	A	I	N	G	V	S	C	R	L	V	S	Q	N	M	A	L	L	L	K	E	D	M	A	T	P	8	A	1			
635	G	A	T	A	I	E	D	R	L	O	G	V	P	E	T	A	T	L	A	L	K	I	M	V	L	T	G	D	K	O	E	T	A	I	N	G	V	S	C	R	L	V	S	Q	N	M	A	L	L	L	K	E	D	M	A	T	P	8	A	2			
695	S	L	D	A	T	R	A	A	I	T	H	C	T	D	L	G	N	L	L	G	K	E	N	D	V	A	L	I	I	D	G	H	T	L	K	Y	A	L	S	R	F	L	D	L	A	L	S	C	K	A	V	I	C	C	M	A	T	P	8	A	2		
715	S	L	D	A	T	R	E	T	L	S	R	H	C	T	L	G	D	A	L	R	K	E	N	D	V	F	A	L	I	I	D	G	H	T	L	K	Y	A	L	S	R	F	L	D	L	A	L	S	C	K	A	V	I	C	C	M	A	T	P	8	A	1	
695	S	L	D	A	T	R	A	A	I	T	H	C	T	D	L	G	N	L	L	G	K	E	N	D	V	A	L	I	I	D	G	H	T	L	K	Y	A	L	S	R	F	L	D	L	A	L	S	C	K	A	V	I	C	C	M	A	T	P	8	A	2		
755	R	V	S	P	L	O	K	S	E	I	V	D	V	K	R	V	A	I	T	L	A	I	G	D	G	A	N	D	V	M	I	Q	T	A	H	G	V	G	I	S	G	N	E	G	M	Q	A	T	M	A	T	P	8	A	2								
775	R	V	S	P	L	O	K	S	E	I	V	D	V	K	R	V	A	I	T	L	A	I	G	D	G	A	N	D	V	M	I	Q	T	A	H	G	V	G	I	S	G	N	E	G	M	Q	A	T	M	A	T	P	8	A	1								
755	R	V	S	P	L	O	K	S	E	I	V	D	V	K	R	V	A	I	T	L	A	I	G	D	G	A	N	D	V	M	I	Q	T	A	H	G	V	G	I	S	G	N	E	G	M	Q	A	T	M	A	T	P	8	A	2								

FIG. 8C

815	AQF	SYL	EXL	L	VHGAM	SYNRV	XCILY	CFY	KXN	VLYII	ITPAF	VNG	FSQ	ILF	ERW	CIG	MATP8A2	
835	AQF	KYL	KML	L	INGAM	MYNRV	XCILY	CFY	KXN	VLYII	ITPAF	VNG	FSQ	ILF	ERW	CIG	ATP8A1	
815	AQF	SYL	EXL	L	VHGAM	SYNRV	XCILY	CFY	KXN	VLYII	ITPAF	VNG	FSQ	ILF	ERW	CIG	TCH212	
875	LYN	V	IP	T	ALP	ELG	IFERS	C	TO	ESN	L	R	E	F	Q	L	MATP8A2	
895	LYN	V	IP	T	ALP	ELG	IFERS	C	TO	ESN	L	R	E	F	Q	L	ATP8A1	
875	LYN	V	IP	T	ALP	ELG	IFERS	C	TO	ESN	L	R	E	F	Q	L	TCH212	
935	LFM	V	PK	AL	EH	DT	SV	CS	HA	T	D	L	F	V	G	M	MATP8A2	
955	LFM	V	PK	AL	EH	DT	SV	CS	HA	T	D	L	F	V	G	M	ATP8A1	
935	LFM	V	PK	AL	EH	DT	SV	CS	HA	T	D	L	F	V	G	M	TCH212	
995	MLT	W	LV	FG	VY	ST	IMPT	IE	I	AP	D	K	G	Q	A	T	MATP8A2	
1015	MLT	W	LV	FG	VY	ST	IMPT	IE	I	AP	D	K	G	Q	A	T	ATP8A1	
995	MLT	W	LV	FG	VY	ST	IMPT	IE	I	AP	D	K	G	Q	A	T	TCH212	
1055	T	CK	K	T	L	E	V	Q	E	L	E	T	K	S	R	V	M	MATP8A2
1075	T	CK	K	T	L	E	V	Q	E	L	E	T	K	S	R	V	M	ATP8A1
1055	T	CK	K	T	L	E	V	Q	E	L	E	T	K	S	R	V	M	TCH212
1115	V	S	H	G	Y	A	F	S	C	E	H	G	A	T	Q	E	I	C
1131	L	L	H	G	Y	A	F	S	C	E	H	G	A	T	Q	E	I	ATP8A1
1115	V	P	H	G	Y	A	F	S	C	E	H	G	A	T	Q	E	I	TCH212

FIG. 9

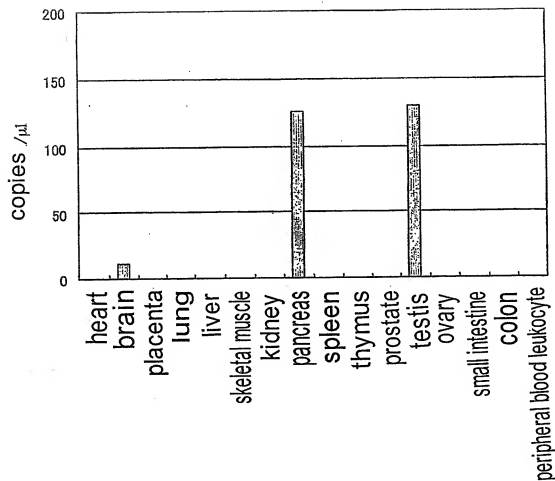


FIG. 10

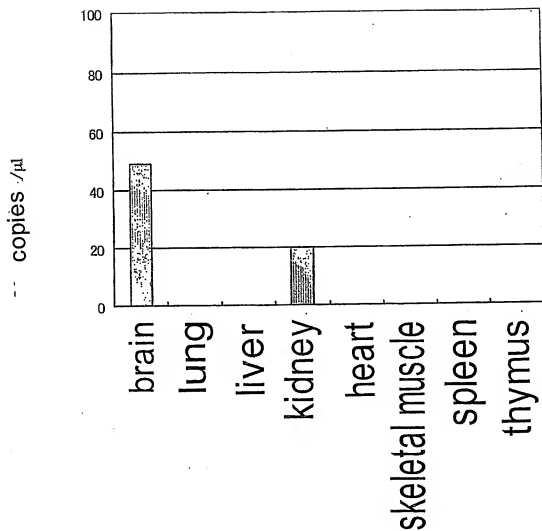


FIG. 11

```

1  M[K]KWSSTDLGAADPLQKDTCPDFLD[G]D[F]NSR[F]PPAKFQLSTA[N]SRTR hVR1
1  M[K]AHPKEMVPLMGKRVAAFS-----[G]M[P]AVL[D]EKRPAEITTF[K]SAH TCH200

49  L[F]-----GKGDSSEAF[F]V[D]CPHEEGELDS[C]FTITVSPVIT[Q]R[F]G hVR1
43  F[F]LEIEGFEPNFTVAKTSP[F]V[S]KPMDSNIRQ[C]ISGNCDDMDS[T]Q[S]P[Q] TCH200

89  [D]G[F]T[GAR]LLSQDSV[A]ASTEKT[L]LYD[R]R[ ]--S[F]E[A]V[AQNN]CQD[L]E[S]L hVR1
91  [D]DV[T]ETFSNPNFSAQ[LAK]EEQ[R]KK[R]L[L]K[R]I[F]A[V]SEGCVEE[L]V[E]L TCH200

134 [L]F[L]Q[K]--SKK[R]L[T]D-----NEFKDP[F]T[G]K[T]C[L]K[A]N[L]N[L]HDGQNTT hVR1
139 [L]V[E]L[Q]ELCRRR[R]D[E]D[V]DFLMMXLTASD[T]G[K]T[C]L[M]K[A]L[L]N[L]INPNTKEI TCH200

174 I[F]L[L]E[I]A[R]QT[D]S[L]KELV[N]A[S]Y[T]DSY[Y]K[G]OTAL[N]I[A]IERR[N]MALVT[L]L hVR1
187 V[R]I[L]L[A]F[A]EEN[D]T[L]GRF[T]N[A]E[Y]T[E]A[Y]E[G]G[OT]A[L]N[I]A[IE]R[R]O[G]DIAA[L]L TCH200

222 V[EN]GADV[O]A[A]A[S]G[D]F[F]KKTKGR[F]G[F]YF[G]L[F]L[S]LAACTH[Q]L[G]I[V]K[F]L hVR1
235 IAAAGADV[N]A[N]A[K]G[A]F[F]KKYQNE[G]F[Y]F[G]E[T]F[L]A[L]A[CT]H[G]P[E]I[V]Q[L]M TCH200

270 QHWSQTA[D]I[S]A[R]DSV[G]N[T]V[L]HALV[E]VADNTADNTK[F]V[T]S[N]YNEI[L]LG hVR1
283 EH--EQT[D]I[T]S[R]D[S]R[G]N[I]LHALV[T]VAEDFKTQND[F]V[K]R[Y]D[M]I[L]LRS TCH200

318 AKLHPTLE[L]E[L]T[N]K[K]G[M]P[L]A[L]A[G]T[G]K[I]G[V]L[A]VIL[Q]RE[L]Q[B]EPC[R]H hVR1
329 GHNH-----LE[T]TTR[N]D[G]L[T]P[L]O[L]A[A]K[M]G[K]A[E]I[L]X[L]S[R]E[I]K[R]L TCH200

366 LSRKFTT[R]W[AY]GPV[N]S[S]LYDL[SC]I[D]T[T]T[N]S[V]L[E]VIA[Y]SSEET[F]N[R]R[D]M hVR1
373 LSRKFTT[D]N[AY]GPV[S]S[S]LYDL[T]N[V]D[T]T[T]T[N]S[V]L[E]ITV[Y]N[T]NID-[N]R[R]E hVR1
7941

414 [L]V[E]P[L]N[R]L[L]Q[D]K[W]D[R]F[V]K[R]I[F]YFN[F]L[V]T[C]L[Y]M[T]I[F]TMAA[X]YRFV DGL hVR1
420 [L]T[L]E[P]L[N]T[L]L[N]M[K]V[K]F[A]K[H]M[F]F[L]S[F]C[F]Y[F]Y[N]T[L]T[L]L[Y]YRFREE- TCH200
7945

462 PFFKM[R]K[T]GDYFRV[T]GEI--[L]S[V]L[G]GVYFFF-----R[G]I[Q]Y[F]L[Q]R hVR1
467 -----E[A]I[P]H[L]A[L]T[H]KMGW[L]Q[L]G[R]M[F]VLIWANCISVKE[G]I[A]I[F]L[R] TCH200
7945

500 RFSMKTLFV[D]SYSEM[L]F[F]L[Q]SLFMIAT[V]V[L]Y[F]S[L]K[E]T[V]A[N]M[V]FSLA[L] hVR1
510 PSDLOSILS[D]AWHFV[F]F[T]Q[AV]LVLS[V]F[L]H[L]FAVKE[Y]LACLV[L]AMAL TCH200
7946

548 G[W]T[R]M[L]X[Y]T[R]G[F]O[G]M[G]I[A]V[M]I[R]R[M]I[L]R[D]L[R]F[M]F[V]YI[V]F[L]G[F]S[T]V hVR1
558 G[W]A[N]M[L]X[Y]T[R]G[F]O[G]M[G]I[A]V[M]I[R]R[M]I[L]R[D]L[R]F[M]F[V]YI[V]F[L]G[F]G[V]A[L] TCH200

596 V[R]L[E]DGKN[D]SLP[EST]SHNRGPA[CR]P[D]S[SY]N[S]L[Y]ST[C]L[E]L[F]K[F]T[L] hVR1
606 A[S]L[E]K[C]P[R]D-----K[D]C-----S[SY]G[S]FSDA[V]L[E]L[F]K[F]T[L] TCH200
7946

644 [G]M[G]D[L]EPT[N]YDFKAV[F]I[L]L[L]A[Y]VIL[T]X[L]L[L]N[M]I[A]L[M]G[E]T[V]N[K]IA hVR1
638 [G]L[E]D[L]NIOQ[N]S[K]YI[L]F[L]L[L]I[T]YVIL[T]F[L]L[L]N[M]I[A]L[M]G[E]T[V]N[K]IA TCH200

692 Q[E]S[R]K[N]I[W]K[L]O[R]A[I]F[L]D[T]E[X]S[F]L[K]C[M]R[K]A[F]H[S]G[K]L[Q]V[G]YTFD[G]K[D]Y hVR1
686 K[E]S[R]K[N]I[W]K[L]O[R]A[I]F[L]D[T]E[X]S[F]L[K]C[M]R[K]A[F]H[S]G[K]L[Q]V[G]YTFD[G]K[D]Y TCH200

740 [R]W[C]L[R]VDE[N]M[W]T[E]M[T]N[V]G[I]NEDFGNCEG[V]K[R]T[L]S[F]SLRSSRVSGRN hVR1
729 [R]W[C]L[R]VDE[N]M[W]T[E]M[T]N[V]G[I]NEDFGNCEG[V]K[R]T[L]S[F]SLRSSRVSGRN TCH200

788 WKNFALVPLLR[EA]SARD[R]QSAQPEEVY[L]RQ[F]SGSLK[F]E[DA]E[V]F[K]SPAA hVR1
764 -----KIQDSS[R]NNSKTT--LNA[F]-----E[V]E[R]E[F]-----F[E] TCH200

836 SGEX hVR1
789 TSV. TCH200

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FIG. 12

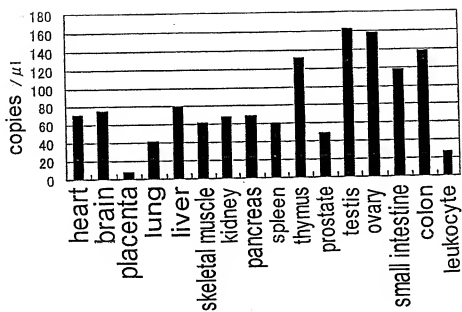


FIG. 13

1 M R A N C S S S S A C P A N S S E E E L F V G L E V H G N L E L V F T V V S T V hTCH230  
 1 M S T D C A G N S T C P V N S T E E D F F V G M E G H A N L K L L F T V L S A V mTCH230

41 M M G L L M F S L G C S V E I R K L W S H I R R P W G I A V G L L C Q F G L M P hTCH230  
 41 M V G L V M F S F G C S V E S Q K L W L H L R R P W G I A V G L L S O F G L M P mTCH230

81 F T A Y L L A I S F S L K P V Q A I A V L I M G C C P G G T I S N I F T F W V D hTCH230  
 81 L T A Y L L A I G F G L K P F Q A I A V L M G S C P G G T I S N V L T F W V D mTCH230

121 G D M D L S T S M T T C S T V A A L G M M F L C I Y L Y T W S W S L O Q N L T I hTCH230  
 121 G D M D L S I S M T T C S T V A A L G M M F L C L Y I Y T R S W T L T Q N L V I mTCH230

161 F Y Q N I G I T L V C L T I P V A F G V Y V N Y R W P K Q S K I I L K I G A V V hTCH230  
 161 F Y Q S I G I T L V S L V V P V A S G V Y V N Y R W P K Q A T V I L K V G A I L mTCH230

201 G G V L L L V V A V A G V V L A K G S W N S D I F L L T I S F I F P L I G H V T hTCH230  
 201 G G M L L L V V A V T G M V L A K G W N T D V T L L V I S C I F P L V G H V T mTCH230

241 G F L L A L F T H Q S W Q R C R T I S L E T G A Q N I Q M C I T M L Q L S F T A hTCH230  
 240 G F L L A F L T H Q S W Q R C R T I S I E T G A Q N I Q L C I A M L Q L S F S A mTCH230

281 E H L V Q M L S F P L A Y G L F Q L I D G F L I V A A Y Q T Y K R R L K N K H G hTCH230  
 280 E Y L V Q L L N F A L A Y G L F Q V L H G L L I V A A Y Q A Y K R R Q K S K C R mTCH230

321 K K N S G C T E V C H T R K S T S S R E T N A F L E V N E E G A I T F G F P G F hTCH230  
 320 R Q H P D C P D V C Y E K Q P - - - R E T S A F L D K G D E A A V T L G F V Q P mTCH230

361 M D C H R A L E P V G H I T S C E hTCH230  
 357 E Q H H R A A E L T S H I P S C E mTCH230



FIG. 14

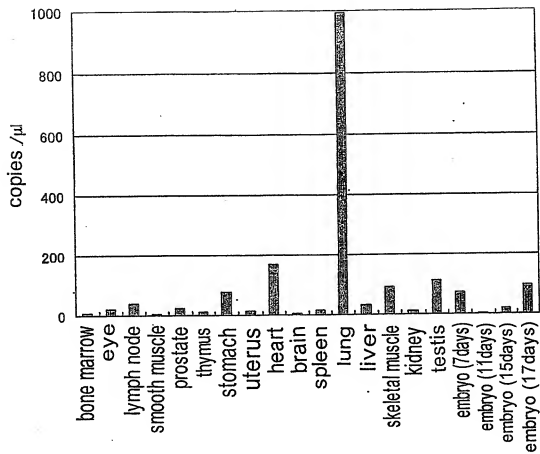


FIG. 15

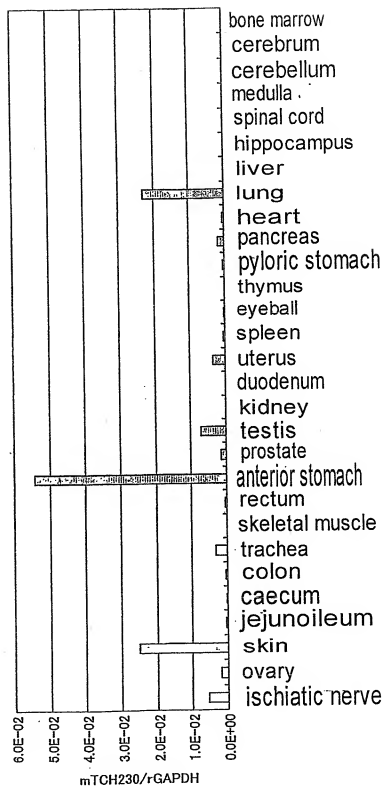


FIG. 16

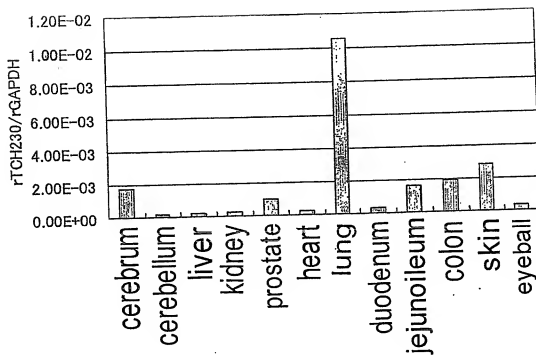


FIG. 17

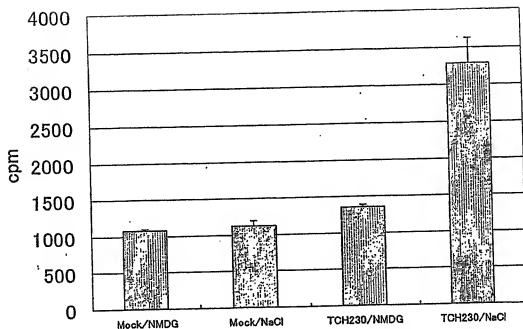


FIG. 18

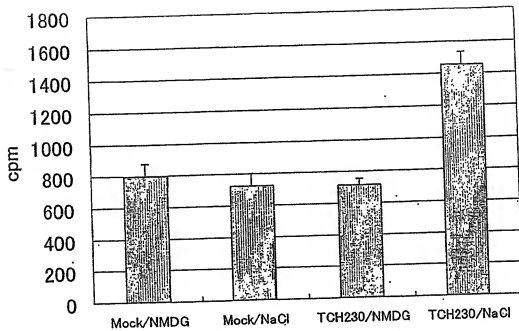


FIG. 19

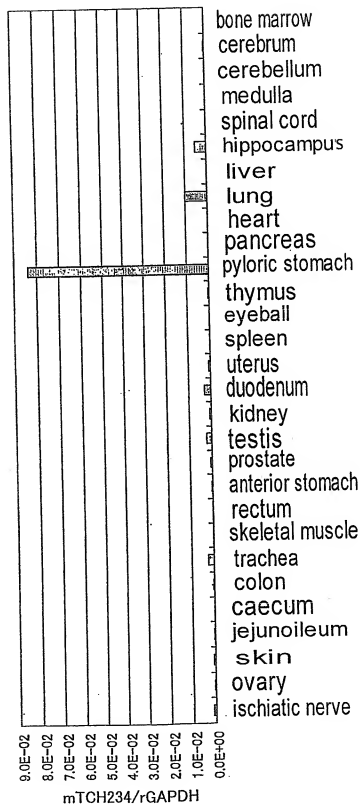


FIG. 20

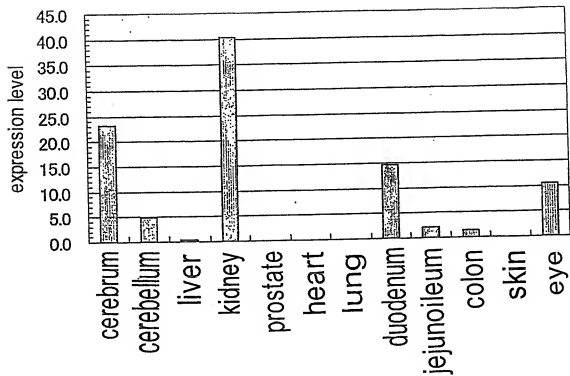


FIG. 21

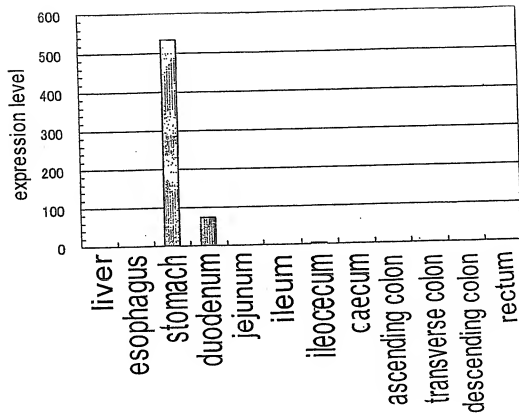




FIG. 22

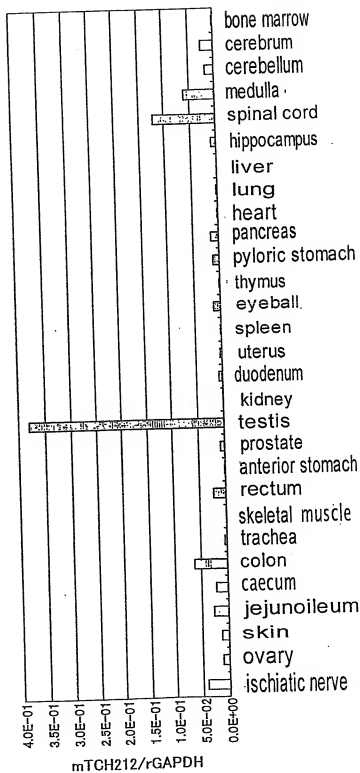


FIG. 23

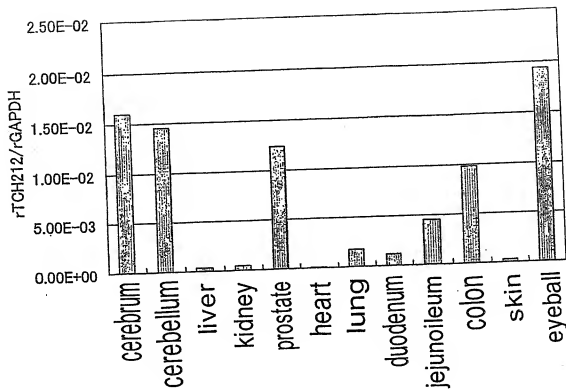


FIG. 24

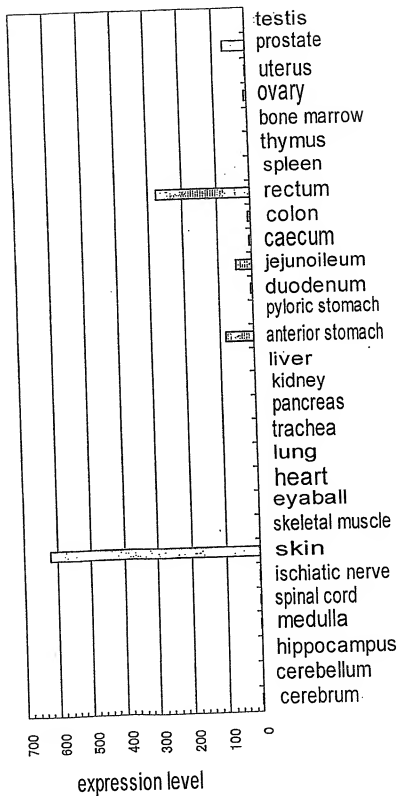


FIG. 25

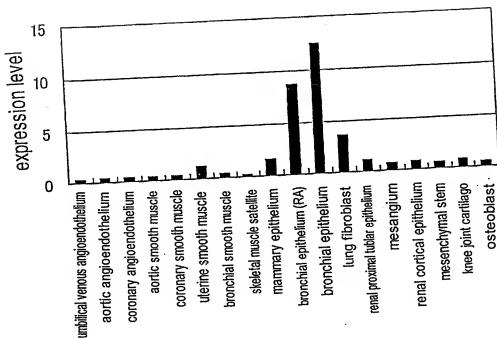


FIG. 26

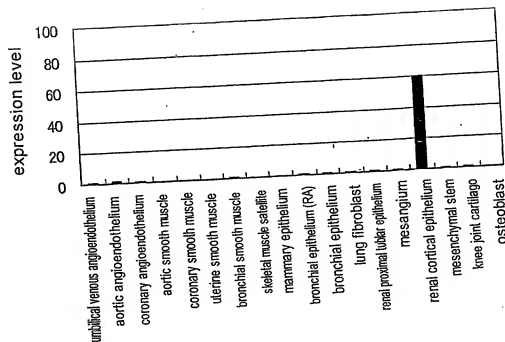


FIG. 27

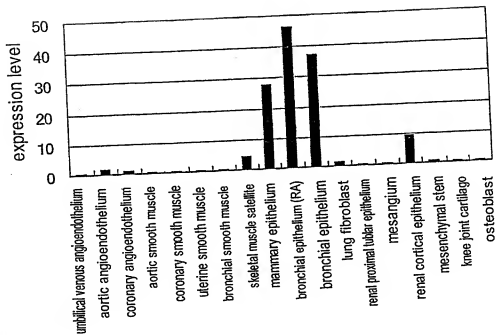


FIG. 28

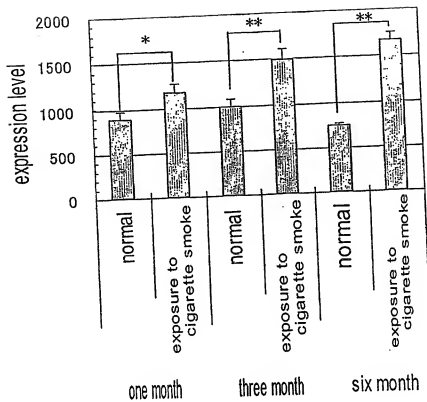


FIG. 29

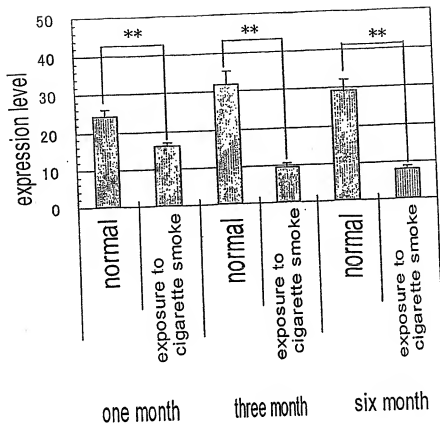




FIG. 30

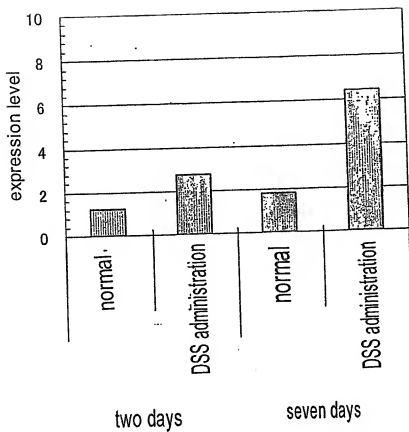


FIG. 31

